

Old #	Standard	ACADEMIC		
		AA		<b>SPEAKING AND LISTENING</b>
AA8	Demonstrate understanding of basic interpersonal communication (listening, written, oral, etc.)	AA	1	Utilize effective verbal and non-verbal communication skills
AA13	Organize and deliver a persuasive oral presentation	AA	2	Participate in conversation, discussion, and group presentations
AA14	Demonstrate good speaking and presentation characteristics			
ED2	Interpret and clarify directions prepared by others	AA	3	Communicate and follow directions/procedures
ED3	Communicate with customers	AA	4	Communicate effectively with customers and co-workers
ED5	Identify appropriate communication methods			
		AB		<b>READING AND WRITING</b>
		AB	1	Locate and interpret written information
AA1	Read and process information and follow instructions	AB	2	Read and interpret workplace documents
AA2	Read material and describe concepts			
		AB	3	Identify relevant details, facts, and specifications
AA5	Write with accuracy, brevity, and clarity	AB	4	Record information accurately and completely
AA4	Use correct spelling, grammar, and punctuation	AB	5	Demonstrate competence in organizing, writing, and editing using correct vocabulary, spelling, grammar, and punctuation
AA3	Use correct terminology	AB	6	Demonstrate the ability to write clearly and concisely using industry specific terminology
ED4	Write steps of an occupational process using sentences and statements as appropriate			
		AC		<b>CRITICAL THINKING AND PROBLEM SOLVING</b>

		AC	1	Utilize critical-thinking skills to determine best options/outcomes (e.g., analyze reliable/unreliable sources of information, use previous experiences, implement crisis management, develop contingency planning)
<b>ED8</b>	Explain the value of applying a problem solving system	AC	2	Utilize innovation and problem-solving skills to arrive at the best solution for current situation
<b>ED9</b>	Identify opportunities for applying problem solving techniques			
<b>ED10</b>	Apply a system of problem solving			
		AC	3	Implement effective decision-making skills
		<b>AD</b>		<b>MATHEMATICS</b>
<b>AB1</b>	Add, subtract, multiply, and divide four digit numbers with or without the use of a calculator	AD	1	Perform basic and higher level math operations (e.g., addition, subtraction, multiplication, division, decimals, fractions, units of conversion, averaging, percentage, proportion, ratios)
<b>AB2</b>	Apply basic math functions to solve problems			
<b>AB7</b>	Calculate with percents, rate, ratio, and proportion with the use of a calculator			
<b>AB3</b>	Convert between US and metric measurement systems	AD	2	Solve problems using measurement skills (e.g., distance, weight, area, volume)
<b>AB4</b>	Convert fractional measurement to decimal measurement			
<b>AB5</b>	Compute within measurement systems			
<b>AB6</b>	Document results of measurement activities and calculations			
<b>AB9</b>	Compute measurements			
<b>AB8</b>	Same Verbiage	AD	3	Make reasonable estimates
		AD	4	Use tables, graphs, diagrams, and charts to obtain or convey information
		AD	5	Use deductive reasoning and problem-solving in mathematics

		<b>AE</b>		<b>FINANCIAL LITERACY</b>
		AE	1	Locate, evaluate, and apply personal financial information
		AE	2	Identify the components of a budget and how one is created
		AE	3	Set personal financial goals and develop a plan for achieving them
		AE	4	Use financial services effectively
		AE	5	Demonstrate ability to meet financial obligations
		<b>AF</b>		<b>INTERNET USE AND SECURITY</b>
		AF	1	Recognize the potential risks associated with Internet use
		AF	2	Identify and apply Internet security practices (e.g., password security, login, logout, log off, lock computer)
		AF	3	Practice safe, legal, and responsible use of technology in the workplace
		<b>AG</b>		<b>INFORMATION TECHNOLOGY</b>
<b>AA7</b>	Possess basic computer keyboarding skills	AG	1	Use technology appropriately to enhance professional presentations
<b>AA17</b>	Demonstrate use of an industry-accepted word processing software package			
<b>EC11</b>	Demonstrate the use of basic computer skills (Word, Excel, Powerpoint, etc)			
		AG	2	Demonstrate effective and appropriate use of social media
		AG	3	Identify ways social media can be used as marketing, advertising, and data gathering tools
		<b>AH</b>		<b>TELECOMMUNICATIONS</b>
		AH	1	Select and use appropriate devices, services, and applications to complete workplace tasks
		AH	2	Demonstrate appropriate etiquette when using e-communications (e.g., cell phone, e-mail, personal digital assistants, online meetings, conference calls)
		<b>EMPLOYABILITY</b>		
		<b>EA</b>		<b>POSITIVE WORK ETHIC</b>
<b>EA3</b>	Same Verbiage	EA	1	Demonstrate enthusiasm and confidence about work and learning new tasks
<b>EA1</b>	Same Verbiage	EA	2	Demonstrate consistent and punctual attendance
		EA	3	Demonstrate initiative in assuming tasks

<b>EA2</b>	Implement responsibility of job position including exhibiting dependability and meeting organizationally defined expectations	EA	4	Exhibit dependability in the workplace
<b>AA9</b>	Implement new process steps given oral instruction	EA	5	Take and provide direction in the workplace
<b>EA11</b>	Follow directions and procedures			
<b>EB5</b>	Match employee responsibilities to employer expectations	EA	6	Accept responsibility for personal decisions and actions
		<b>EB</b>		<b>INTEGRITY</b>
		EB	1	Abide by workplace policies and procedures
		EB	2	Demonstrate honesty and reliability
<b>EB3</b>	Identify ethical characteristics and behaviors	EB	3	Demonstrate ethical characteristics and behaviors
<b>EB4</b>	Differentiate between good and poor business ethics			
<b>EB8</b>	Same Verbiage	EB	4	Maintain confidentiality and integrity of sensitive company information
<b>EC7</b>	Explain the importance of a business reputation	EB	5	Demonstrate loyalty to the company
		<b>EC</b>		<b>SELF-REPRESENTATION</b>
<b>EA4</b>	Demonstrate appropriate dress and hygiene for successful employment	EC	1	Demonstrate appropriate dress and hygiene in the workplace
		EC	2	Use language and manners suitable for the workplace
<b>EA5</b>	Demonstrate the ability to act in a polite and respectful way towards co-workers	EC	3	Demonstrate polite and respectful behavior toward others
		EC	4	Demonstrate personal accountability in the workplace
		EC	5	Demonstrate pride in work
		<b>ED</b>		<b>TIME, TASK, AND RESOURCE MANAGEMENT</b>

<b>EC1</b>	Plan and manage work schedules	ED	1	Plan and follow a work schedule
<b>EA13</b>	Same Verbiage	ED	2	Work with minimal supervision
		ED	3	Work within budgetary constraints
<b>EA6</b>	Demonstrate the ability to complete tasks on time and accurately	ED	4	Demonstrate ability to stay on task to produce high quality deliverables on time
		<b>EE</b>		<b>DIVERSITY AWARENESS</b>
<b>EB2</b>	Identify the characteristics of a diverse workforce	EE	1	Recognize diversity, discrimination, harassment, and equity
<b>EB6</b>	Define discrimination, harassment, and equity			
<b>EB7</b>	Demonstrate non-discriminatory behavior			
		EE	2	Work well with all customers and co-workers
		EE	3	Explain the benefits of diversity within the workplace
		EE	4	Explain the importance of respect for feelings, values, and beliefs of others
		EE	5	Identify strategies to bridge cultural/generational differences and use differing perspectives to increase overall quality of work
		EE	6	Illustrate techniques for eliminating gender bias and stereotyping in the workplace
		EE	7	Identify ways tasks can be structured to accommodate the diverse needs of workers
		EE	8	Recognize the challenges and advantages of a global workforce
		<b>EF</b>		<b>TEAMWORK</b>
<b>AA11</b>	Compare the roles of a team with the role of an individual	EF	1	Recognize the characteristics of a team environment and conventional workplace
<b>EB1</b>	Same Verbiage			
<b>ED6</b>	Identify components of group dynamics			
<b>AA12</b>	Perform techniques used as a team leader	EF	2	Contribute to the success of the team
<b>AA10</b>	Demonstrate the characteristics of a team player	EF	3	Demonstrate effective team skills and evaluate their importance in the workplace (e.g., setting goals, listening, following directions, questioning, dividing work)

<b>ED7</b>	Demonstrate productive relationships through interaction and networking			
		<b>EG</b>		<b>CREATIVITY AND RESOURCEFULNESS</b>
		EG	1	Contribute new ideas
		EG	2	Stimulate ideas by posing questions
		EG	3	Value varying ideas and opinions
		EG	4	Locate and verify information
		<b>EH</b>		<b>CONFLICT RESOLUTION</b>
<b>AA6</b>	Demonstrate knowledge of conflict resolution techniques	EH	1	Identify conflict resolution skills to enhance productivity and improve workplace relationships
		EH	2	Implement conflict resolution strategies and problem-solving skills
		EH	3	Explain the use of documentation and it's role as a component of conflict resolution
		<b>EI</b>		<b>CUSTOMER/CLIENT SERVICE</b>
		EI	1	Recognize the importance of and demonstrate how to properly acknowledge customers/clients
<b>EC5</b>	Identify possible actions that may lead to customer dissatisfaction	EI	2	Identify and address needs of customers/clients
<b>EC8</b>	Identify possible actions that may be used to correct customer dissatisfaction			
		EI	3	Provide helpful, courteous, and knowledgeable service
<b>ED5</b>	Identify appropriate communication methods	EI	4	Identify appropriate channels of communication with customers/clients (e.g., phone call, face-to-face, e-mail, website)
		EI	5	Identify techniques to seek and use customer/client feedback to improve company services
<b>EC6</b>	Identify the ways that the level of customer satisfaction may affect company success	EI	6	Recognize the relationship between customer/client satisfaction and company success
		<b>EJ</b>		<b>ORGANIZATIONS, SYSTEMS, AND CLIMATES</b>
<b>AA16</b>	Identify the organizational need for profit	EJ	1	Define profit and evaluate the cost of conducting business
<b>EC9</b>	Identify the effect of quality on profit			
		EJ	2	Identify "big picture" issues in conducting business

<b>EC10</b>	Identify the effects of continuous quality improvement	EJ	3	Identify role in fulfilling the mission of the workplace
		EJ	4	Identify the rights of workers (e.g., adult and child labor laws and other equal employment opportunity laws)
		EJ	5	Recognize the chain of command, organizational flow chart system, and hierarchy of management within an organization
		<b>EK</b>		<b>JOB ACQUISITION AND ADVANCEMENT</b>
<b>EA7</b>	Demonstrate the ability to make career decisions	EK	1	Recognize the importance of maintaining a job and pursuing a career
		EK	2	Define jobs associated with a specific career path or profession
		EK	3	Identify and seek various job opportunities (e.g., volunteerism, internships, co-op, part-time/full-time employment)
<b>EA8</b>	Prepare a resume, letter of application or interest	EK	4	Prepare a resume, letter of application, and job application
<b>EA9</b>	Complete an application for employment			
		EK	5	Prepare for a job interview (e.g., research company, highlight personal strengths, prepare questions, set-up a mock interview, dress appropriately)
		EK	6	Participate in a job interview
		EK	7	Explain the proper procedure for leaving a job
		<b>EL</b>		<b>LIFELONG LEARNING</b>
		EL	1	Acquire current and emerging industry-related information
		EL	2	Demonstrate commitment to learning as a life-long process and recognize learning opportunities
		EL	3	Seek and capitalize on self-improvement opportunities
		EL	4	Discuss the importance of flexible career planning and career self-management
<b>AA15</b>	Demonstrate basic leadership skills	EL	5	Employ leadership skills to achieve workplace objectives (e.g., personal vision, adaptability, change, shared vision)
		EL	6	Recognize the importance of job performance evaluation and coaching as it relates to career advancement
		EL	7	Accept and provide constructive criticism
		EL	8	Describe the impact of the global economy on jobs and careers
<b>EA12</b>	Accept constructive criticism	<b>EM</b>		<b>JOB SPECIFIC TECHNOLOGIES</b>
		EM	1	Identify the value of new technologies and their impact on driving continuous change and the need for life-long learning

		EM	2	Research and identify emerging technologies for specific careers
		EM	3	Select appropriate technological resources to accomplish work
		<b>EN</b>		<b>HEALTH AND SAFETY</b>
		EN	1	Assume responsibility for safety of self and others
		EN	2	Follow safety guidelines in the workplace
		EN	3	Manage personal health and wellness
		<b>OCCUPATIONAL</b>		
		<b>OA</b>		<b>DEVELOPMENT OF BIOTECHNOLOGY IN AGRICULTURE</b>
<b>OA1</b>	Same Verbiage	OA	1	Define biotechnology and explore the historical impact it has had on agriculture
<b>OA2</b>	Same Verbiage	OA	2	Create a timeline and use it to explain the developmental progression of biotechnology
<b>OA3</b>	Same Verbiage	OA	3	Research and report on the major innovators and milestones in the development of biotechnology
<b>OA4</b>	Same Verbiage	OA	4	Investigate current applications of biotechnology in agriculture
<b>OA5</b>	Same Verbiage	OA	5	Research and report on current work being done in agricultural biotechnology
<b>OA6</b>	Same Verbiage	OA	6	Analyze the scope and impact of agricultural biotechnology in today's global society and economy
<b>OA7</b>	Same Verbiage	OA	7	Examine potential future applications of biotechnology in agriculture and compare them with alternative approaches to improving agriculture
<b>OA8</b>	Same Verbiage	OA	8	Research and report on emerging problems and issues associated with agricultural biotechnology
<b>OA9</b>	Same Verbiage	OA	9	Assess the future impact agricultural biotechnology could have on world populations
		<b>OB</b>		<b>REGULATION</b>
<b>OB1</b>	Same Verbiage	OB	1	Describe the role of agencies that regulate biotechnology
<b>OB2</b>	Same Verbiage	OB	2	Interpret the major regulatory issues related to biotechnology
<b>OB3</b>	Same Verbiage	OB	3	Research, evaluate, and articulate a major regulatory issue pertaining to biotechnology
		<b>OC</b>		<b>ETHICS OF BIOTECHNOLOGY</b>
<b>OC1</b>	Same Verbiage	OC	1	Explore ethical, legal, and social biotechnology issues
<b>OC2</b>	Same Verbiage	OC	2	Evaluate the benefits and risks associated with biotechnology.
<b>OC3</b>	Same Verbiage	OC	3	Research, evaluate, and articulate the implications of an ethical, legal, social, or cultural biotechnology issue
<b>OC4</b>	Same Verbiage	OC	4	Explore the emergence, evolution, and implications of bioethics
<b>OC5</b>	Same Verbiage	OC	5	Examine an ethical dilemma associated with biotechnology by identifying it's components
<b>OC6</b>	Same Verbiage	OC	6	Research and debate an ethical issue associated with biotechnology
<b>OC7</b>	Same Verbiage	OC	7	Explain the meaning of intellectual properties as related to biotechnology
<b>OC8</b>	Same Verbiage	OC	8	Examine intellectual properties associated with biotechnology by defining their component
<b>OC9</b>	Same Verbiage	OC	9	Analyze an intellectual property issue associated with bioethics
<b>OC10</b>	Same Verbiage	OC	10	Describe how agribiotechnology impacts the global economy



<b>OC11</b>	Same Verbiage	OC	11	Compare conventional fossil fuel production to biotechnological alternative fuel production (e.g., ethonol, biodiesel)
		<b>OD</b>		<b>LABORATORY RECORDS</b>
<b>OD1</b>	Same Verbiage	OD	1	Maintain a biotechnology laboratory notebook
<b>OD2</b>	Same Verbiage	OD	2	Analyze strengths of the research based on data, procedures, and propose future investigation
<b>OD3</b>	Same Verbiage	OD	3	Utilize external reviews and compare them to research conducted
		<b>OE</b>		<b>LABORATORY EQUIPMENT</b>
<b>OE1</b>	Same Verbiage	OE	1	Operate basic laboratory equipment and measurement devices (e.g., microscope, microipet, autoclave, centrifuge)
<b>OE2</b>	Same Verbiage	OE	2	Operate advanced laboratory equipment and measurement devices (e.g., thermalcycler, electrophoresis equipment, microarray, spectrometer)
<b>OE3</b>	Same Verbiage	OE	3	Calibrate laboratory equipment and conduct instrument qualification tests
		<b>OF</b>		<b>LABORATORY PROCEDURES</b>
<b>OF1</b>	Same Verbiage	OF	1	Demonstrate basic aseptic techniques in the biotechnology laboratory
<b>OF2</b>	Same Verbiage	OF	2	Demonstrate advanced aseptic techniques in the biotechnology laboratory
<b>OF3</b>	Same Verbiage	OF	3	Perform bioassays and experiments under aseptic conditions
<b>OF4</b>	Same Verbiage	OF	4	Perform procedures with biological materials according to directions
<b>OF5</b>	Same Verbiage	OF	5	Select an appropriate standard operating procedure for working with biological materials
<b>OF6</b>	Same Verbiage	OF	6	Develop a standard operating procedure for a biological process
		<b>OG</b>		<b>MATERIAL MANAGEMENT</b>
<b>OG1</b>	Same Verbiage	OG	1	Prepare simple chemical solutions using standard operating procedures
<b>OG2</b>	Same Verbiage	OG	2	Prepare buffers, reagents, solutions, and media
<b>OG3</b>	Same Verbiage	OG	3	Verify the physical properties of buffers, reagents, solutions, and media
<b>OG4</b>	Same Verbiage	OG	4	Identify and describe hazards associated with biological and chemical materials
<b>OG5</b>	Same Verbiage	OG	5	Identify the process to inventory biological and chemical materials, and maintain accurate records of supplies and expiration dates
<b>OG6</b>	Same Verbiage	OG	6	List the procedures to order, stock, and maintain supplies of biological and chemical materials
<b>OG7</b>	Same Verbiage	OG	7	Maintain a safe environment by properly identifying and disposing of laboratory waste
<b>OG8</b>	Same Verbiage	OG	8	Diagram the flow of waste after it leaves the laboratory
<b>OG9</b>	Same Verbiage	OG	9	Devise a management plan to reduce laboratory waste
		<b>OH</b>		<b>MICROBIOLOGY/MOLECULAR/ENZYMOLGY/IMMUNOLOGY</b>
<b>OH1</b>	Same Verbiage	OH	1	Differentiate the types of organisms and demonstrate how to handle them safely
<b>OH2</b>	Same Verbiage	OH	2	Isolate, maintain, quantify, and store cell cultures
<b>OH3</b>	Same Verbiage	OH	3	Characterize the physical, chemical, and biological properties of microbes
<b>OH4</b>	Same Verbiage	OH	4	Explain the structures of DNA and RNA and how genotype influences phenotype

<b>OH5</b>	Same Verbiage	OH	5	Explain the molecular basis for heredity and the tools and techniques used in DNA and RNA manipulations
<b>OH6</b>	Same Verbiage	OH	6	Analyze factors that influence gene expression
<b>OH7</b>	Same Verbiage	OH	7	Extract and purify DNA and RNA
<b>OH8</b>	Same Verbiage	OH	8	Perform electrophoretic techniques and interpret electrophoresis fragmentation patterns
<b>OH9</b>	Same Verbiage	OH	9	Perform DNA and RNA recombinations such as basic cloning/subcloning, blotting, sequencing, and amplification
<b>OH10</b>	Same Verbiage	OH	10	Perform simple enzyme activity assays to detect proteins
<b>OH11</b>	Same Verbiage	OH	11	Perform protein separation techniques and interpret the results
<b>OH12</b>	Same Verbiage	OH	12	Characterize the biochemical properties of proteins
<b>OH13</b>	Same Verbiage	OH	13	Describe how antibodies are formed and how they can be used in biotechnology applications
<b>OH14</b>	Same Verbiage	OH	14	Conduct an Enzyme-Linked Immunosorbent Assay (ELISA)
<b>OH15</b>	Same Verbiage	OH	15	Use antibodies to detect and quantify antigens
<b>OH16</b>	Same Verbiage	OH	16	Explain reasons for detecting microbes and identify sources of microbes
<b>OH17</b>	Same Verbiage	OH	17	Research and describe the use of biotechnology to detect microbes
<b>OH18</b>	Same Verbiage	OH	18	Design and perform an assay to detect a target microorganism in food, water, or the environment
		<b>OI</b>		<b>GENETIC ENGINEERING</b>
<b>OI1</b>	Same Verbiage	OI	1	Explain biological, social, agronomic, and economic reasons for genetic modification of eukaryotes
<b>OI2</b>	Same Verbiage	OI	2	Diagram the processes and describe the techniques used to produce transgenic eukaryote
<b>OI3</b>	Same Verbiage	OI	3	Design and conduct an experiment to evaluate an existing transgenic eukaryote
<b>OI4</b>	Same Verbiage	OI	4	Describe enzymes, the changes they cause in foods and the physical/chemical parameters that affect enzymatic reactions
<b>OI5</b>	Same Verbiage	OI	5	Describe processes by which enzymes are produced through biotechnology
<b>OI6</b>	Same Verbiage	OI	6	Use biotechnology tools or microbial strain selection to improve or discover enzymes for use in food processing
<b>OI7</b>	Same Verbiage	OI	7	Compare and contrast the use of natural organisms and genetically engineered organisms in the treatment of wastes
<b>OI8</b>	Same Verbiage	OI	8	Diagram the process by which organisms are genetically engineered for waste treatment
<b>OI9</b>	Same Verbiage	OI	9	Monitor and evaluate the treatment of a waste product using a genetically engineered organisms
<b>OI10</b>	Same Verbiage	OI	10	Describe the benefits and risks associated with the use of biotechnology to increase productivity and improve quality of aquatic species
<b>OI11</b>	Same Verbiage	OI	11	Investigate and report on genetic engineering procedures used in the production of aquatic species
<b>OI12</b>	Same Verbiage	OI	12	Conduct field or clinical trials for genetically modified aquatic species
		<b>OJ</b>		<b>BIOTECHNOLOGY PROCESSES IN AGRICULTURE</b>
<b>OJ1</b>	Same Verbiage	OJ	1	Explain the functions of hormones in animals
<b>OJ2</b>	Same Verbiage	OJ	2	Describe the processes used to produce animal hormones from transgenic organisms

<b>OJ3</b>	Same Verbiage	OJ	3	Administer hormones to enhance animal health, growth, or reproduction and monitor/analyze the results
<b>OJ4</b>	Same Verbiage	OJ	4	Identify foods produced through fermentation
<b>OJ5</b>	Same Verbiage	OJ	5	Compare and contrast bioengineering and conventional pathways used in food processing
<b>OJ6</b>	Same Verbiage	OJ	6	Process food using biotechnology
<b>OJ7</b>	Same Verbiage	OJ	7	Explain the process of fermentation
<b>OJ8</b>	Same Verbiage	OJ	8	Describe the process used in producing alcohol from biomass
<b>OJ9</b>	Same Verbiage	OJ	9	Produce alcohol and co-products from biomass
<b>OJ10</b>	Same Verbiage	OJ	10	Explain the process of transesterification
<b>OJ11</b>	Same Verbiage	OJ	11	Diagram the process used in producing biodiesel from biomass
<b>OJ12</b>	Same Verbiage	OJ	12	Produce biodiesel and co-products from biomass
<b>OJ13</b>	Same Verbiage	OJ	13	Explain the process of methanogenesis
<b>OJ14</b>	Same Verbiage	OJ	14	Illustrate the process used in producing methane from biomass
<b>OJ15</b>	Same Verbiage	OJ	15	Produce methane and co-products from biomass
		<b>OK</b>		<b>BIOTECHNOLOGY TO MONITOR PROCEDURES IN AGRICULTURE</b>
<b>OK1</b>	Same Verbiage	OK	1	Describe the selective plant breeding process
<b>OK2</b>	Same Verbiage	OK	2	Select biotechnology tools used to monitor and direct plant breeding
<b>OK3</b>	Same Verbiage	OK	3	Design and conduct an experiment using biotechnology tools to evaluate selectively bred plants
<b>OK4</b>	Same Verbiage	OK	4	Describe biotechnology processes applicable to animal health
<b>OK5</b>	Same Verbiage	OK	5	Assess the benefits, risks, and opportunities associated with using biotechnology to promote animal health
<b>OK6</b>	Same Verbiage	OK	6	Implement animal-care protocols that use biotechnology tools to ethically monitor and promote animal systems (Institutional Animal Care and Use Committee develops animal-care protocols)
<b>OK7</b>	Same Verbiage	OK	7	Give examples of instances in which bioremediation can be applied to clean up environmental contaminant
<b>OK8</b>	Same Verbiage	OK	8	Describe the use of biotechnology in bioremediation
<b>OK9</b>	Same Verbiage	OK	9	Monitor and evaluate the effectiveness of bioremediation efforts by participating in a bioremediation project
<b>OK10</b>	Same Verbiage	OK	10	Explain the use of microorganisms in biological waste management
<b>OK11</b>	Same Verbiage	OK	11	Describe the processes involved in biotreatment of biological wastes
<b>OK12</b>	Same Verbiage	OK	12	Monitor and evaluate the treatment of biological wastes with microorganisms
<b>OK13</b>	Same Verbiage	OK	13	Explain the role of microorganisms in industrial chemical waste treatment
<b>OK14</b>	Same Verbiage	OK	14	Interpret the processes involved in biotreatment of industrial chemical wastes
<b>OK15</b>	Same Verbiage	OK	15	Monitor and evaluate the treatment of industrial chemical wastes with microorganisms
<b>OK16</b>	Same Verbiage	OK	16	Explain the global importance of biodiversity
<b>OK17</b>	Same Verbiage	OK	17	Select biotechnology tools used to measure biodiversity
<b>OK18</b>	Same Verbiage	OK	18	Use biotechnology tools to measure biodiversity in a population

<b>OK19</b>	Same Verbiage	OK	19	Explain the consequences of agricultural practices on wild populations
<b>OK20</b>	Same Verbiage	OK	20	Explain how biotechnology tools can be used to monitor the effects of agricultural practices on wild populations
<b>OK21</b>	Same Verbiage	OK	21	Analyze the implications of biotechnology on wild species
<b>OK22</b>	Same Verbiage	OK	22	Explain biomass and sources of biomass
<b>OK23</b>	Same Verbiage	OK	23	Assess the characteristics of biomass that make it useful for biofuels production
<b>OK24</b>	Same Verbiage	OK	24	Evaluate the technologies used to create biofuels from biomass
<b>OK25</b>	Same Verbiage	OK	25	Define industrial biotechnology, describe the benefits and risks associated with it's use in the manufacturing of fabrics, plastics, and other products
<b>OK26</b>	Same Verbiage	OK	26	Describe the processes used in the production of molecules for use in industrial applications
<b>OK27</b>	Same Verbiage	OK	27	Monitor and evaluate biotechnology processes used in the synthesis of a molecule